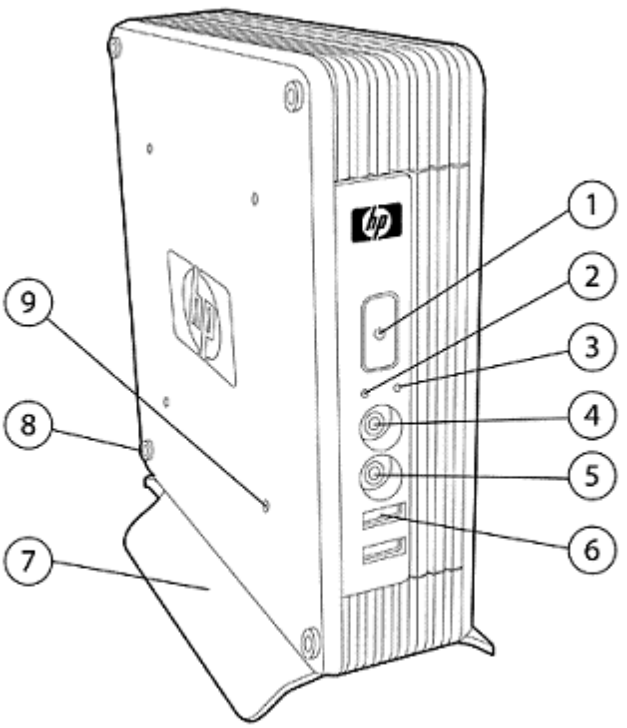
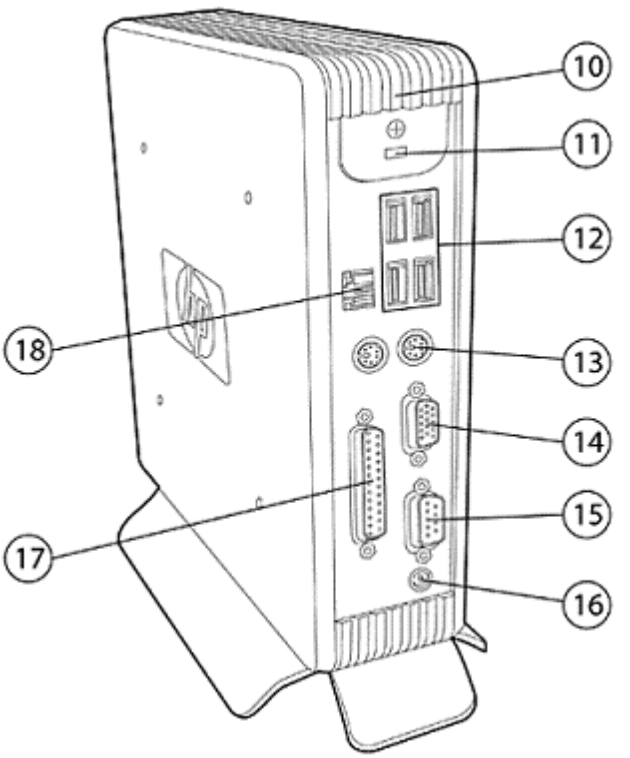
Introduction

Gain a competitive edge with our simplest and most affordable thin clients! Designed for server-based computing solutions in ICA and RDP environments, you will experience desktop-like performance in task-oriented work environments such as general office, medical, financial, educational, government, and call centers.





1. Power button
2. Flash activity indicator
3. Power on indicator
4. Audio connector (headphone out)
5. Audio connector (mic in)
6. USB connectors (2)
7. Vertical stand
8. Feet (4) for horizontal orientation
9. HP Quick Release mounting points (4)
10. Secure USB compartment
11. Kensington lock
12. USB connectors (4)
13. PS/2 connectors (2)
14. VGA connector
15. Serial port connector
16. +12V DC power input
17. Parallel port connector
18. 10/100 RJ-45

Overview

At A Glance

- HP ThinConnect Operating System
- Via Eden 400 MHz processor
- 128 MB system memory (16 MB reserved for video)
- 64 MB Flash
- Includes one parallel, one serial, two PS/2, and eight USB 2.0 ports (four in back, two in front, and two in a secure USB compartment).
- Two USB ports and audio ports in front for your convenience.
- Two USB ports in a secure compartment help prevent theft with USB options hidden inside and out of your way. Great for safeguarding USB wireless devices.
- Run your HP t5135 in the familiar local mode with settings stored locally, or run it in a "stateless" (network) mode with settings stored remotely. Take the unit out of the box, attach it to the network and it downloads settings automatically. This is our easiest client ever to deploy and manage, and it's perfect for office environments with open seating.
- HP's alliance with Altiris brings a leading management solution to the thin client market. Altiris Deployment Solution's standards-based, advanced thin client management solution helps reduce the costs of deploying, updating, and maintaining your thin clients. Included with each HP client!
- HP's exclusive, built-in HP ThinState Tools allow administrator to make changes to settings on one "master" client, capture the new settings on a USB flash drive, and then easily deploy it to "target" thin clients.
- Support for selected options and peripherals.
- Protected by Hewlett-Packard Services, including a limited three-year hardware warranty – certain restrictions and exclusions apply.

Models

RK271AA#ABA RK271AT#ABA (SmartBuy or Promo) RM081AA#ABA (TAA compliant)[1]	Model Name	HP Compaq t5135 Thin Client
	Processor	VIA Eden 400 MHz
	Flash	64 MB
	System Memory	128 MB RAM (16 MB reserved for video)
	Operating System	HP ThinConnect (based on Debian Linux 3.1 with Linux kernel 2.6)
	Keyboard	USB or PS/2 (both supported) Keyboard included with every thin client. Type of included keyboard (USB or PS/2) varies by region.
	Mouse	USB or PS/2 (both supported) Mouse included with every thin client. Type of included mouse (USB or PS/2) varies by region.

[1]Product complies with U.S. Trade Agreement Act (TAA). Available in U.S only.

Options

		Part Number
Accessories	HP Quick Release Kit	EM870AA
	HP/Kensington Cable Lock	PC766A
Communications	Belkin USB Wireless 802.11b/g[1]	HP4050
Connectivity	HP PS/2 Standard Keyboard	DT527A
	HP USB Standard Keyboard	DT528A
	HP USB Smartcard Keyboard	ED707AA
	HP PS/2 2-Button Scroll Mouse	DD440B
	HP PS/2 2-Button Optical Scroll Mouse	EY703AA
	HP USB 2-Button Optical Scroll Mouse	DC172B
Monitors	ELO Touch 1529L Flat Panel – USB/serial combo[1,2]	E926109
	ELO Touch 1515L Flat Panel – USB/serial combo[1,2]	E849124
	ELO Touch 1725C CRT – USB/serial combo[1,2]	E248189
	ELO Touch 1526C CRT – USB/serial combo[1,2]	E833965
Security	HP USB Smartcard Keyboard	ED707AA
	Digital Privacy SCR331 USB Smart Card Reader[1]	904054
	Envoy Data SCR331 USB Smart Card Reader[1]	904054
	TxSystems SCR331 USB Smart Card Reader[1]	904054
	HP/Kensington Cable Lock	PC766A
Storage	Apacer 1 GB Disk on Key (DOK)[1]	AP-HHR100HD2
	Apacer 512 Disk on Key (DOK)[1]	AP-HHR512HD2
	HP Driverless USB Diskette Drive	F5101B
	External USB 2.0 Multibay II Cradle	PA509A
	HDD Multibay II 80GB 5400rpm	PH357A
	Multibay II DVD Drive (Does not support DVD play back)	PA849A
Care Packs	9x5 Next-Business-Day[3] Advanced Exchange – 3 Years	331653-001;U4847E[4]
	9x5 Next-Business-Day[3] On-Site Coverage – 3 Years	331655-001;U4849E[4]

[1]Option available directly from third party.
[2]Only serial is supported.
[3]Service levels and response times for HP Care Packs may vary depending on your geographic location. Restrictions and limitations apply. For details, visit http://www.hp.com/go/carepack.
[4]4U4847E is available in all regions; U4849E is available in Americas and Asia-Pacific/Japan.

Technical Specifications

Processor	VIA Eden 400 MHz		
Chipsets	Northbridge: VIA CN700; Southbridge: VIA VT8237		
Memory	**Flash**	64 MB	
	System Memory	128 MB (16 MB reserved for video)	
Graphics	VIA S3 graphics with support for high-resolution monitors up to 1600 x 1200, 24 bit @60 Hz		
	Mode	**Refresh Rates**	**Color Depth**
	800 x 600	60, 75, or 85 Hz	8, 16, or 24 bit
	1024 x 768	60, 75, or 85 Hz	8, 16, or 24 bit
	1280 x 1024	60, 75, or 85 Hz	8, 16, or 24 bit
	1600 x 1200	60, 75, or 85 Hz	8, 16, or 24 bit
	1600 x 1200	60 Hz	24 bit
Input/Output/ Peripheral Support	**Keyboard**	USB or PS/2 (both supported) Keyboard included with every thin client. Type of included keyboard (USB or PS/2) varies by region.	
	Mouse	USB or PS/2 (both supported) Mouse included with every thin client. Type of included mouse (USB or PS/2) varies by region.	
	Printer	Local (ThinPrint) and/or network printers (RDP, ICA, LPD, JetCET)	
	Video	VGA-type video output (DB-15)	
Audio	**Output**	Internal amplified speaker, 1/8-inch mini, full 16-bit stereo, 44-kHz sample rate	
Security	Kensington lock slot (cable lock sold separately)		
Server-based Computing Protocols	Citrix ICA and rdesktop for remote server access		
Networking	TCP/IP with Dynamic DNS and DHCP support 10/100 BaseT Fast Ethernet, twisted pair (RJ-45) Direct Connection through Point-to-Point over Ethernet (PPPoE), Layer-2 Tunneling Protocol (L2TP) Wake on LAN, PXE		
I/O Ports and Connectors	8 USB 2.0 ports, 1 serial, 1 parallel, 2 PS/2		
Resident Operating System	HP ThinConnect (based on Debian Linux 3.1 with Linux kernel 2.6)		
Server OS Compatibility/ Support	• Citrix Presentation Server 4.0 • Citrix Metaframe Presentation Server 3.0, Citrix Metaframe XP Presentation Server • Citrix Metaframe 1.x • Windows 2000/2003 Server families • Windows 2000/2003 Server Terminal Services • Windows 2000 Advanced Server, Windows 2000 Advance Server Terminal Services • Microsoft® Windows® NT 4.0 Server • Windows NT 4.0 Terminal Server Edition		
Software Included	HP ThinState Tools, Citrix ICA, rdesktop RDP client, VNC Shadow, Thinprint TCP/IP client Full version of Altiris Deployment Solution (client agent) is preinstalled on every thin client. Altiris Deployment Solution (management console) is available as a free download from Altiris at: http://www.altiris.com/hptc		
Languages	English		

Technical Specifications

Dimensions H x W x D	Without stand	18.57 x 18.57 x 5.24 cm (7.31 x 7.31 x 2.06 in)
	Stand only	Height: 1.9 cm (0.75 in)
Weight (approximate)	With stand	1.3 kg (2.9 lbs)
	Stand only	30 g (~1 oz)
Environmental	Operating temperature range	50° to 104° F (10° to 40° C)
	Non-operating temperature range	–22° to 140° F (–30 to 60° C)
	Humidity	20% to 80% condensing/ 10% to 95% non-condensing
	Power*	Worldwide auto-sensing 100-240 VAC, 50-60 Hz. Average power consumption of this thin client in a typical setup is 11.4W.
	* The actual power consumption at your location could vary and is dependent on many factors including but not limited to software load on the thin client, attached peripherals, and environmental factors.	
Regulatory Compliances	Product Safety	• International: IEC60950-1, 12:2005, with CB Certificate and all National Deviations • US and Canada: UL 60950-1 / CAN/CSA 22.2 No. 60950-1-03, 07:2006, Bi-National Standard for ITE Safety in the US and Canada and is published jointly by UL and CSA. • Europe: EN 60950-1, 06:2003, Information Technology Equipment
	Ergonomics	The product has been tested and found to comply with all applicable GS ergonomic requirements.
	RF Interference	FCC Class B, CE Mark, VCCI
Warranty	Three-year limited hardware warranty. The software is comprised of open source community code, third-party licensed code, and HP code and is provided without warranty. NOTE: Certain restrictions apply. Consult the HP Customer Support Center for details.	
Environment-friendly Products and Approach	RoHS Compliance	Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. From July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling	Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.
Hewlett-Packard Corporate Environmental Information	For more information about HP's commitment to the environment: [link to new HP white paper now in progress] Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html

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